Bruhath Bangalore Mahanagara Palike

Office of the Executive Engineer

Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Detailed Estimate for Maintenance to Electrical Installation to BBMP buildings coming under Yelahanka Division at Ward No 1 to 4

Sl No	Qty	Description Of Work	Unit	Approved Rates		Amount
				In figures	In Words	
		Part A:- Maintenance Work				
1	48	Electrician (Licenced Electrical wiremen fitter/Electrician with tools) Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 96 days in an year (Weekly Twice i.e 4 days in a month X 12 month)	Days/ person	224.93	Rupees Two Hundred Twenty Four and Ninty Three Paise only	10796.64
2	48	Helper Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 96 days in an year (Weekly Twice i.e 4 days in a month X 12 month)	Days/ person	224.93	Rupees Two Hundred Twenty Four and Ninty Three Paise only	10796.64
3	70	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place. P.No-105 I.No-16.12	Each	30.00	Rupees Thirty only	2100.00
4	50	Supplying and fixing/replacing of fluorescent tube. 18 to 40Watts P.No-105 I.No-16.15.1	Each	75.00	Rupees Seventy Five only	3750.00
5	35	Supply and fixing of heavy duty open construction ferromagnetic copper ballast for 20/40 watts fluorescent tubes. P.No-105 I.No-16.11	Each	200.00	Rupees Two Hundred only	7000.00
6	60	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp.. P.No-105 I.No-16.18	Each	31.00	Rupees Thirty One only	1860.00
7	30	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder. P.No-105 I.No-16.18	No	31.00	Rupees Thirty One only	930.00
8	70	Supply and fixing of 230 volts CFL lamp holder 2Pin Holder P.No-105 I.No-16.20.1	No	60.00	Rupees Sixty only	4200.00
9	50	Supply and fixing of 230 volts CFL lamp starter base P.No-106 I.No-16.22	No	35.00	Rupees Thirty Five only	1750.00
10	70	Supplying of of 2 pin/4 pin 9-11W CFL Lamp P.No-29 I.No-4.38.16	No	80.00	Rupees Eighty only	5600.00
11	50	Supplying of of 2 pin/4 pin 18W CFL Lamp P.No-30 I.No-4.38.18	No	120.00	Rupees One Hundred and Twenty only	6000.00
12	50	Supplying of of 4 pin 36w CFL Lamp P.No-30 I.No-4.38.18	No	145.00	Rupees One Hundred and Forty Five only	7250.00
13	15	Releasing the existing fan checking, testing and installation at the same place.P.No-104 I.No- 16.80	Each	28.00	Rupees Twenty Eight only	420.00
14	15	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries. upto 4mfd P.No-104 I.No- 16.3.1	Each	104.00	Rupees One Hundred and Four only	1560.00
15	10	Supplying and replacing ceiling fan regulator 900mm to 1500mm P.No-104 I.No- 16.6	Each	156.00	Rupees One Hundred and Fifty Six only	1560.00
16	10	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM P.No-104 I.No- 16.4.3	Each	630.00	Rupees Six Hundred and Thirty only	6300.00
17	10	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws Remote type P.No-104 I.No- 16.2.3	Each	940.00	Rupees Nine Hundred and Forty only	9400.00

18	15	Supplying and fixing 6Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50Hz AC Supply. P.No-104 I.No- 16.27	No	613.00	Rupees Six Hundred and Thirteen only	9195.
19		Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A				
	10	2.3.1) Short point upto 3Mtr from tapping point to out let via switch box	Point	174.00	Rupees One Hundred and Seventy Four only	1740.00
	10	2.3.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point	245.00	Rupees Two Hundred and Fourty Five only	2450.00
	5	2.3.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point	363.00	Rupees Three Hundred and Sixty Three only	1815.00
20	25	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required.1.8.2)25mm	mtr	26.00	Rupees Twenty Six only	650.00
	25	1.8.3) 32mm	mtr	35.00	Rupees Thirty Five only	875.00
21	150	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5.2) 1.5 sqmm.	Mtr	18.60	Rupees Eigteen and Sixty Paise only	2790.00
	300	2.5.3) 2.5 sqmm.	Mtr	29.20	Rupees Twenty Nine and Twenty Paise only	8760.00
	50	2.5.4) 4 sqmm.	Mtr	42.10	Rupees Forty Two and Ten Paise only	2105.00
22	15	Switches & Sockets & Accessories Supplying 6A flush type socket and 6 amps flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 3654 3.1.2) 6Amps 3/5 Way	Each	150.00	Rupees One Hundred and Fifty only	2250.00
23	5	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete 1.6.3) 10"x7"x3" (254x178x76mm)	Each	87.00	Rupees Eighty Seven only	435.00
24	2500	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sqcm	0.25	Rupees Zero and Twenty Five Paise only	625.00
25	10	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 3.15.5) 6Amps Bakelite ceiling rose	nos	43.00	Rupees Forty Three only	430.00
	15	3.15.1) 6Amps SP Switch	nos	35.00	Rupees Thirty Five only	525.00
	5	3.15.3) 6Amps 3 way 5 pin Socket	nos	53.00	Rupees Fifty Three only	265.00
	10	3.15.6) 6 Amps lamp holder	nos	48.00	Rupees Forty Eight only	480.00
	2	3.15.13) 16/6 Amps combined plug and socket with control switch	nos	268.00	Rupees Two Hundred and Sixty Eight only	536.00

	3	3.15.8) 6 Amps bell buzzer	nos	117.00	Rupees One Hundred and Seventeen only	351.00
26	5	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer	Each	447.00	Rupees Four Hundred and Forty Seven only	2235.00
27	7	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.3) 5-32 Amps DP	Each	849.00	Rupees Eight Hundred and Forty Nine only	5943.00
	4	6.16.1) 5-32Amps SP	Each	418.00	Rupees Four Hundred and Eighteen only	1672.00
28	3	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No	2727.00	Rupees Two Thousand Seven Hundred and Twenty Seven only	8181.00
29	6	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.2) 32Amps	Each	180.00	Rupees One Hundred and Eighty only	1080.00
30	10	Supplying patti type fluorescent tube light fitting of 4' -suitable for 28 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.	Each	669.00	Rupees Six Hundred and Sixty Nine only	6690.00
31	10	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.1) On wall / ceiling / Rafter / Girders	Each	98.00	Rupees Ninty Eight only	980.00
32	5	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp.	Each	952.00	Rupees Nine Hundred and Fifty Two only	4760.00
33	2	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400mm) 9.3.2.1) Regular model	Each	2418.00	Rupees Two Thousand Four Hundred and Eighteen only	4836.00
34	5	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply. 9.4.2) 400mm Sweep	Each	2534.00	Rupees Two Thousand Five Hundred and Thirty Four only	12670.00
35	7	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 inch PVC insulated twin twisted wire of approved quality, mounted on a suitable size wooden board and wired.	Each	237.00	Rupees Two Hundred and Thirty Seven only	1659.00

36	5	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp.	Each	952.00	Rupees Nine Hundred and Fifty Two only	4760.00
37	12	Maintenance of 20 KVA D.G.Set existing at BBMP Yelahanka Zonal Office Building for the period of one year from date of Issue of Work Order, This Visit includes only periodical Check up and replacement of Spares will be charged seperately	P/Visit	750.00	Rupees Seven Hundred and Fifty only	9000.00
38	2	Servicing of 20 KVA Engine radiator and hose pipes	P/Set	1800.00	Rupees One Thousand and Eight Hundred only	3600.00
39	2	Replacement of Soft Solonoid of D.G .set	P/Set	5000.00	Rupees Five Thousand only	10000.00
40	2	Servicing of Oil and Air filters of 20 KVA DG set Yearly once	P/Set	2000.00	Rupees Two Thousand only	4000.00
		TOTAL				199616.28

(Rs One Lakh Ninty Nine Thousand Six Hundred and Sixteen and Twenty Eight Paise Only)

I am prepared to take up the above work at 28.42 % **above/below (In Words** Twenty Eight point fourty two percent Below **) the rates quoted in the Schedule 'B'**

For CHOWDESHWARI ELECTRICALS

Contractor

Proprietor

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP